| L Number | Hits | Search Text | DB | Time stamp |
|-------------|--------|---|----------|------------|
| Number 1 | 397498 | (cylinder\$6 or cylindrical\$5 or helical\$5 or | USPAT; | 2003/11/19 |
| 1 | 337430 | spiral\$5 or wound or winding or | US-PGPUB | 07:51 |
| | | circumvolut\$6 or cochlear\$5 or coil\$4 or | U3-FGFUB | 07.51 |
| | | corkscrew\$5 or cork adj screw\$3 or curl\$5 | | |
| | | or helicold\$3 or rolled or roll or rolls or | | |
| | | | | |
| | | rolling\$1 or ply or plies or screw adj shaped | | |
| | | or scroll\$6 or tortile\$1 or voluted or | | |
| | | whorl\$4 or twirl\$5 or serpentine\$1 or | | |
| | | wrap\$4 or helix or loop\$3).ti,ab. | | |
| 2 | 195502 | (data adj carrier\$1 or ((record\$3 or storage | USPAT; | 2003/11/19 |
| | | or Information\$2 or optical or data) adj2 | US-PGPUB | 06:56 |
| | | (media or medium or carrier\$1)) or ribbon or | | |
| | | tape or film or tesafilm).tl,ab. | | |
| 3 | 24001 | ((cylinder\$6 or cylindrical\$5 or helical\$5 or | USPAT; | 2003/11/19 |
| | | spiral\$5 or wound or winding or | US-PGPUB | 06:56 |
| | | circumvolut\$6 or cochlear\$5 or coil\$4 or | | |
| | | corkscrew\$5 or cork adj screw\$3 or curl\$5 | | |
| | | or helicoid\$3 or rolled or roll or rolls or | | |
| | | rolling\$1 or ply or plies or screw adj shaped | | |
| | | or scroll\$6 or tortile\$1 or voluted or | | |
| | | whorl\$4 or twirl\$5 or serpentine\$1 or | | |
| | | wrap\$4 or helix or loop\$3).tl,ab.) and ((data | | |
| | | adj carrier\$1 or ((record\$3 or storage or | | |
| | | Information\$2 or optical or data) adj2 | | |
| | | (media or medium or carrier\$1)) or ribbon or | | |
| | | ••• | | |
| 4 | 35613 | tape or film or tesafilm).tl,ab.) 369/\$.ccls. | HCDAT. | 2002/44/40 |
| | 33013 | 309/\$.CCIS. | USPAT; | 2003/11/19 |
| _ | 676 | /// | US-PGPUB | 06:56 |
| 5 | 676 | (((cylinder\$6 or cylindrical\$5 or helical\$5 or | USPAT; | 2003/11/19 |
| | | spiral\$5 or wound or winding or | US-PGPUB | 07:10 |
| | | circumvolut\$6 or cochlear\$5 or coll\$4 or | | |
| | | corkscrew\$5 or cork adj screw\$3 or curl\$5 | | |
| | | or helicoid\$3 or rolled or roll or rolls or | | |
| | | rolling\$1 or ply or plies or screw adj shaped | | |
| | | or scroll\$6 or tortile\$1 or voluted or | | |
| | | whorl\$4 or twirl\$5 or serpentine\$1 or | | |
| | | wrap\$4 or helix or loop\$3).tl,ab.) and ((data | | |
| | | adj carrler\$1 or ((record\$3 or storage or | | |
| | | Information\$2 or optical or data) adj2 | | |
| | | (media or medium or carrier\$1)) or ribbon or | | |
| | | tape or film or tesafilm).ti,ab.)) and | | |
| | | 369/\$.ccls. | | |
| 6 | 5 | ("2540654" "3197750" "3514771" | USPAT | 2003/11/19 |
| | | "3613059" "4470051").PN. | | 07:03 |
| 7 | 4 | ("4074282" "4535434" "4542495" | USPAT | 2003/11/19 |
| | - | "4566087").PN. | JOFAI | 07:10 |
| 8 | o | 5034943.URPN. | HEDAT | |
| • | J | JUJ434J.URFN. | USPAT | 2003/11/19 |
| | | | | 07:10 |

| 9 676 (((cylinder\$6 or cylindrical\$5 or helical\$5 or spiral\$5 or wound or winding or clrcumvolut\$6 or cochlear\$5 or coil\$4 or corkscrew\$5 or cork adj screw\$3 or curl\$5 or helicoid\$3 or rolled or rolls or rolling\$1 or ply or plies or screw adj shaped or scroll\$6 or tortile\$1 or voluted or whorl\$4 or twirl\$5 or serpentine\$1 or wrap\$4 or helix or loop\$3).tl,ab.) and ((data adj carrier\$1 or ((record\$3 or storage or information\$2 or optical or data) adj2 (media or medium or carrier\$1)) or ribbon or tape or film or tesafilm).ti,ab.)) and 369/\$.ccls. 10 4591 (spool\$1 or reel\$1 or helical\$5 or spiral\$5 or wound or winding) and (optical\$4 near4 (tape or ribbon or flexible)) 11 2830 (spool\$1 or reel\$1 or helical\$5 or spiral\$5 or wound or winding) and (optical\$4 near4 (tape or ribbon or flexible)) 12 2830 (spool\$1 or reel\$1 or helical\$5 or spiral\$5 or wound or winding) and (optical\$4 near4 (tape or ribbon or flexible)) |
|---|
| circumvolut\$6 or cochlear\$5 or coil\$4 or corkscrew\$5 or cork adj screw\$3 or curl\$5 or helicoid\$3 or rolled or rolls or rolling\$1 or ply or plies or screw adj shaped or scroll\$6 or tortile\$1 or voluted or whorl\$4 or twirl\$5 or serpentine\$1 or wrap\$4 or helix or loop\$3).tl,ab.) and ((data adj carrier\$1 or ((record\$3 or storage or information\$2 or optical or data) adj2 (media or medium or carrier\$1)) or ribbon or tape or film or tesafilm).tl,ab.)) and 369/\$.ccis. (spool\$1 or reel\$1 or helical\$5 or spiral\$5 or wound or winding) and (optical\$4 near4 (tape or ribbon or flexible)) (spool\$1 or reel\$1 or helical\$5 or spiral\$5 or wound or winding) and (optical\$4 near4 US-PGPUB 07:21 |
| corkscrew\$5 or cork adj screw\$3 or curl\$5 or helicoid\$3 or rolled or roll or rolls or rolling\$1 or ply or plies or screw adj shaped or scroll\$6 or tortile\$1 or voluted or whorl\$4 or twirl\$5 or serpentine\$1 or wrap\$4 or helix or loop\$3).tl,ab.) and ((data adj carrier\$1 or ((record\$3 or storage or information\$2 or optical or data) adj2 (medla or medium or carrier\$1)) or ribbon or tape or film or tesafilm).tl,ab.)) and 369/\$.ccls. 10 4591 (spool\$1 or reel\$1 or helical\$5 or spiral\$5 or wound or winding) and (optical\$4 near4 (tape or ribbon or flexible)) 11 2830 (spool\$1 or reel\$1 or helical\$5 or spiral\$5 or wound or winding) and (optical\$4 near4 US-PGPUB 07:21 |
| or helicoid\$3 or rolled or rolls or rolling\$1 or ply or plies or screw adj shaped or scroll\$6 or tortile\$1 or voluted or whorl\$4 or twirl\$5 or serpentine\$1 or wrap\$4 or helix or loop\$3).tl,ab.) and ((data adj carrier\$1 or ((record\$3 or storage or information\$2 or optical or data) adj2 (medla or medium or carrier\$1)) or ribbon or tape or film or tesafilm).ti,ab.)) and 369/\$.ccls. 10 4591 (spool\$1 or reel\$1 or helical\$5 or spiral\$5 or wound or winding) and (optical\$4 near4 (tape or ribbon or flexible)) 11 2830 (spool\$1 or reel\$1 or helical\$5 or spiral\$5 or spiral\$5 or wound or winding) and (optical\$4 near4 US-PGPUB 07:21 |
| rolling\$1 or ply or plies or screw adj shaped or scroll\$6 or tortile\$1 or voluted or whorl\$4 or twirl\$5 or serpentine\$1 or wrap\$4 or helix or loop\$3).tl,ab.) and ((data adj carrier\$1 or ((record\$3 or storage or information\$2 or optical or data) adj2 (media or medium or carrier\$1)) or ribbon or tape or film or tesafilm).ti,ab.)) and 369/\$.ccls. 10 4591 (spool\$1 or reel\$1 or helical\$5 or spiral\$5 or wound or winding) and (optical\$4 near4 (tape or ribbon or flexible)) 11 2830 (spool\$1 or reel\$1 or helical\$5 or spiral\$5 or spiral\$5 or wound or winding) and (optical\$4 near4 US-PGPUB 07:21 |
| or scroll\$6 or tortile\$1 or voluted or whorl\$4 or twirl\$5 or serpentine\$1 or wrap\$4 or helix or loop\$3).tl,ab.) and ((data adj carrier\$1 or ((record\$3 or storage or information\$2 or optical or data) adj2 (media or medium or carrier\$1)) or ribbon or tape or film or tesafilm).ti,ab.)) and 369/\$.ccls. 10 4591 (spool\$1 or reel\$1 or helical\$5 or spiral\$5 or wound or winding) and (optical\$4 near4 (tape or ribbon or flexible)) 11 2830 (spool\$1 or reel\$1 or helical\$5 or spiral\$5 or wound or winding) and (optical\$4 near4 US-PGPUB 07:21 |
| whorl\$4 or twirl\$5 or serpentine\$1 or wrap\$4 or helix or loop\$3).tl,ab.) and ((data adj carrier\$1 or ((record\$3 or storage or information\$2 or optical or data) adj2 (media or medium or carrier\$1)) or ribbon or tape or film or tesafilm).ti,ab.)) and 369/\$.ccis. 10 4591 (spool\$1 or reel\$1 or helical\$5 or spiral\$5 or wound or winding) and (optical\$4 near4 (tape or ribbon or flexible)) (spool\$1 or reel\$1 or helical\$5 or spiral\$5 USPAT; 2003/11/19 USPAT; 2003/11/19 or wound or winding) and (optical\$4 near4 US-PGPUB 07:21 |
| wrap\$4 or helix or loop\$3).tl,ab.) and ((data adj carrier\$1 or ((record\$3 or storage or information\$2 or optical or data) adj2 (media or medium or carrier\$1)) or ribbon or tape or film or tesafilm).ti,ab.)) and 369/\$.ccls. 10 4591 (spool\$1 or reel\$1 or helical\$5 or spiral\$5 or wound or winding) and (optical\$4 near4 (tape or ribbon or flexible)) 11 2830 (spool\$1 or reel\$1 or helical\$5 or spiral\$5 or spiral\$5 or wound or winding) and (optical\$4 near4 US-PGPUB 07:21 |
| adj carrier\$1 or ((record\$3 or storage or information\$2 or optical or data) adj2 (media or medium or carrier\$1)) or ribbon or tape or film or tesafilm).ti,ab.)) and 369/\$.ccls. (spool\$1 or reel\$1 or helical\$5 or spiral\$5 or wound or winding) and (optical\$4 near4 (tape or ribbon or flexible)) (spool\$1 or reel\$1 or helical\$5 or spiral\$5 or wound or winding) and (optical\$4 near4 US-PGPUB 07:21 |
| (media or medium or carrier\$1)) or ribbon or tape or film or tesafilm).ti,ab.)) and 369/\$.ccls. 10 4591 (spool\$1 or reel\$1 or helical\$5 or spiral\$5 or wound or winding) and (optical\$4 near4 (tape or ribbon or flexible)) 11 2830 (spool\$1 or reel\$1 or helical\$5 or spiral\$5 or wound or winding) and (optical\$4 near4 US-PGPUB 07:21 |
| tape or film or tesafilm).ti,ab.)) and 369/\$.ccls. (spool\$1 or reel\$1 or helical\$5 or spiral\$5 or wound or winding) and (optical\$4 near4 (tape or ribbon or flexible)) (spool\$1 or reel\$1 or helical\$5 or spiral\$5 USPAT; 2003/11/19 or wound or winding) and (optical\$4 near4 US-PGPUB 07:21 |
| 369/\$.ccls. (spool\$1 or reel\$1 or helical\$5 or spiral\$5 or wound or winding) and (optical\$4 near4 (tape or ribbon or flexible)) (spool\$1 or reel\$1 or helical\$5 or spiral\$5 USPAT; 2003/11/19 or wound or winding) and (optical\$4 near4 US-PGPUB 07:21 |
| 10 4591 (spool\$1 or reel\$1 or helical\$5 or spiral\$5 or wound or winding) and (optical\$4 near4 (tape or ribbon or flexible)) 11 2830 (spool\$1 or reel\$1 or helical\$5 or spiral\$5 or wound or winding) and (optical\$4 near4 US-PGPUB 07:21 |
| or wound or winding) and (optical\$4 near4 (tape or ribbon or flexible)) 11 2830 (spool\$1 or reel\$1 or helical\$5 or spiral\$5 USPAT; 2003/11/19 or wound or winding) and (optical\$4 near4 US-PGPUB 07:21 |
| (tape or ribbon or flexible)) 11 2830 (spool\$1 or reel\$1 or helical\$5 or spiral\$5 USPAT; 2003/11/19 or wound or winding) and (optical\$4 near4 US-PGPUB 07:21 |
| 11 2830 (spool\$1 or reel\$1 or helical\$5 or spiral\$5 USPAT; 2003/11/19 or wound or winding) and (optical\$4 near4 US-PGPUB 07:21 |
| or wound or winding) and (optical\$4 near4 US-PGPUB 07:21 |
| |
| |
| tape) |
| 12 441 ((spool\$1 or reel\$1 or hellcal\$5 or spiral\$5 USPAT; 2003/11/19 |
| or wound or winding) and (optical\$4 near4 US-PGPUB 07:21 |
| (tape or ribbon or flexible))) and 369/\$.ccis. |
| 13 407 (((spool\$1 or reel\$1 or helical\$5 or spiral\$5 USPAT; 2003/11/19 |
| or wound or winding) and (optical\$4 near4 US-PGPUB 07:50 |
| (tape or ribbon or flexible))) and 369/\$.ccls.) |
| not ((((cylinder\$6 or cylindrical\$5 or |
| helical\$5 or spiral\$5 or wound or winding or |
| circumvolut\$6 or cochlear\$5 or coll\$4 or |
| corkscrew\$5 or cork adj screw\$3 or curl\$5 or helicold\$3 or rolled or rolls or |
| |
| rolling\$1 or ply or plies or screw adj shaped or scroll\$6 or tortile\$1 or voluted or |
| whorl\$4 or twirl\$5 or serpentine\$1 or |
| wrap\$4 or helix or loop\$3).ti,ab.) and ((data |
| adj carrier\$1 or ((record\$3 or storage or |
| information\$2 or optical or data) adj2 |
| (media or medium or carrier\$1)) or ribbon or |
| tape or film or tesafilm).tl,ab.)) and |
| 369/\$.ccls.) |
| 14 12181 optical\$4 near3 tape USPAT; 2003/11/19 |
| US-PGPUB 07:50 |
| 15 8171 (record\$3 or reproduc\$) and (optical\$4 USPAT; 2003/11/19 |
| near3 tape) US-PGPUB 07:51 |
| 16 1189 polymer\$3 and ((record\$3 or reproduc\$) and USPAT; 2003/11/19 |
| (optical\$4 near3 tape)) US-PGPUB 07:51 |

| 17 | 1032 | (cylinder\$6 or cylindrical\$5 or helical\$5 or | USPAT; | 2003/11/19 |
|----|------|---|----------|------------|
| | | spiral\$5 or wound or winding or | US-PGPUB | 07:54 |
| | | circumvolut\$6 or cochlear\$5 or coil\$4 or | | |
| | | corkscrew\$5 or cork adj screw\$3 or curl\$5 | | |
| | | or helicoid\$3 or rolled or roll or rolls or | | |
| | | rolling\$1 or ply or plies or screw adj shaped | | |
| | | or scroll\$6 or tortile\$1 or voluted or | | |
| | | whorl\$4 or twirl\$5 or serpentine\$1 or | | |
| | | wrap\$4 or helix or loop\$3 or spool\$3 OR | | |
| | | REEL\$4) AND (polymer\$3 and ((record\$3 or | | |
| | | reproduc\$) and (optical\$4 near3 tape))) | | |
| 18 | 392 | @AD<=19990712 AND (polymer\$3 and | USPAT; | 2003/11/19 |
| | | ((record\$3 or reproduc\$) and (optical\$4 | US-PGPUB | 07:54 |
| | | near3 tape))) | | |